

## **RAW SEQUENCE LISTING**

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Application Serial Number: 10/561,304

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## RAW SEQUENCE LISTING

DATE: 07/28/2006

PATENT APPLICATION: US/10/561,304

TIME: 09:54:17

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Output Set: N:\CRF4\07282006\J561304.raw

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3 <110> APPLICANT: Del Borgo, Mark
4   Wade, John D.
5   Bathgate, Ross D.
6   Hughes, Richard A.
7   Howard Florey Institute of Physiology and Medicine
8   The University of Melbourne
10 <120> TITLE OF INVENTION: Relaxin Superfamily Peptide Analogues
12 <130> FILE REFERENCE: 087521-000000US
14 <140> CURRENT APPLICATION NUMBER: US 10/561,304
15 <141> CURRENT FILING DATE: 2005-12-19
17 <150> PRIOR APPLICATION NUMBER: AU 2003903124
18 <151> PRIOR FILING DATE: 2003-06-20
20 <150> PRIOR APPLICATION NUMBER: WO PCT/AU04/00798
21 <151> PRIOR FILING DATE: 2004-06-18
23 <160> NUMBER OF SEQ ID NOS: 25
25 <170> SOFTWARE: PatentIn Ver. 2.1
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28 <211> LENGTH: 28
29 <212> TYPE: PRT
30 <213> ORGANISM: Homo sapiens
32 <220> FEATURE:
33 <223> OTHER INFORMATION: relaxin-1 b-chain
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40   20             25
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44 <211> LENGTH: 29
45 <212> TYPE: PRT
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48 <220> FEATURE:
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61 <212> TYPE: PRT
62 <213> ORGANISM: Homo sapiens
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65 &lt;223&gt; OTHER INFORMATION: relaxin-3 b-chain

67 &lt;400&gt; SEQUENCE: 3

68 Arg Ala Ala Pro Tyr Gly Val Arg Leu Cys Gly Arg Glu Phe Ile Arg

69 1 5 10 15

71 Ala Val Ile Phe Thr Cys Gly Gly Arg Trp

72 20 25

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76 &lt;211&gt; LENGTH: 30

77 &lt;212&gt; TYPE: PRT

78 &lt;213&gt; ORGANISM: Homo sapiens

80 &lt;220&gt; FEATURE:

81 &lt;223&gt; OTHER INFORMATION: insulin b-chain

83 &lt;400&gt; SEQUENCE: 4

84 Phe Val Asn Gln His Leu Cys Gly Ser His Leu Val Glu Ala Leu Tyr

85 1 5 10 15

87 Leu Val Cys Gly Glu Arg Gly Phe Phe Tyr Thr Pro Lys Thr

88 20 25 30

91 &lt;210&gt; SEQ ID NO: 5

92 &lt;211&gt; LENGTH: 29

93 &lt;212&gt; TYPE: PRT

94 &lt;213&gt; ORGANISM: Homo sapiens

96 &lt;220&gt; FEATURE:

97 &lt;223&gt; OTHER INFORMATION: insulin-like growth factor 1 (IGF-1) b-chain

99 &lt;400&gt; SEQUENCE: 5

100 Gly Pro Glu Thr Leu Cys Gly Ala Glu Leu Val Asp Ala Leu Gln Phe

101 1 5 10 15

103 Val Cys Gly Asp Arg Gly Phe Tyr Phe Asn Lys Pro Thr

104 20 25

107 &lt;210&gt; SEQ ID NO: 6

108 &lt;211&gt; LENGTH: 31

109 &lt;212&gt; TYPE: PRT

110 &lt;213&gt; ORGANISM: Homo sapiens

112 &lt;220&gt; FEATURE:

113 &lt;223&gt; OTHER INFORMATION: insulin-like growth factor 2 (IGF-2) b-chain

115 &lt;400&gt; SEQUENCE: 6

116 Tyr Arg Pro Ser Glu Thr Leu Cys Gly Gly Glu Leu Val Asp Thr Leu

117 1 5 10 15

119 Gln Phe Val Cys Gly Asp Arg Gly Phe Tyr Phe Ser Arg Pro Ala

120 20 25 30

123 &lt;210&gt; SEQ ID NO: 7

124 &lt;211&gt; LENGTH: 31

125 &lt;212&gt; TYPE: PRT

126 &lt;213&gt; ORGANISM: Homo sapiens

128 &lt;220&gt; FEATURE:

129 &lt;223&gt; OTHER INFORMATION: insulin-like 3 (INSL3) b-chain

131 &lt;400&gt; SEQUENCE: 7

132 Pro Thr Pro Glu Met Arg Glu Lys Leu Cys Gly His His Phe Val Arg

133 1 5 10 15

135 Ala Leu Val Arg Val Cys Gly Gly Pro Arg Trp Ser Thr Glu Ala

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148 Glu Ser Leu Ala Glu Leu Arg Gly Cys Gly Pro Arg Phe Gly Lys
149 1          5          10          15
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152          20          25          30
154 Pro
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160 <213> ORGANISM: Homo sapiens
162 <220> FEATURE:
163 <223> OTHER INFORMATION: insulin-like 5 (INSL5) b-chain
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170          20          25          30
172 Gly
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196 <213> ORGANISM: Artificial Sequence
198 <220> FEATURE:
199 <223> OTHER INFORMATION: Description of Artificial Sequence:cyclic relaxin
200 b-chain mimetic (cRlx)
202 <220> FEATURE:
203 <221> NAME/KEY: DISULFID
204 <222> LOCATION: (2)..(24)
206 <400> SEQUENCE: 11
207 Ser Cys Met Glu Glu Val Ile Lys Leu Ser Gly Arg Glu Leu Val Arg

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221      (INSL3) b-chain peptide analogue 4, cyclic peptide
222      cINSL3a
224 <220> FEATURE:
225 <221> NAME/KEY: DISULFID
226 <222> LOCATION: (3)..(25)
228 <400> SEQUENCE: 12
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232 Leu Val Arg Val Ser Gly Gly Pro Cys Trp Ser
233              20              25
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238 <212> TYPE: PRT
239 <213> ORGANISM: Artificial Sequence
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248 <222> LOCATION: (3)..(25)
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255              20              25
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260 <212> TYPE: PRT
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265      (INSL3) b-chain peptide analogue 6
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268 Thr Pro Cys Met Arg Glu Lys Leu Ser Gly Arg Glu Leu Val Arg Ala
269      1              5              10              15
271 Gln Val Ile Ala Ile Gly Gly Pro Cys Trp Ser
272              20              25
275 <210> SEQ ID NO: 15
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277 <212> TYPE: PRT
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297 <220> FEATURE:
298 <223> OTHER INFORMATION: relaxin-1 a-chain
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305           20
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311 <213> ORGANISM: Homo sapiens
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314 <223> OTHER INFORMATION: relaxin-2 a-chain
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321           20
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329 <220> FEATURE:
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**VERIFICATION SUMMARY**

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